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Datasheet

ICAM1 monoclonal antibody, clone 1H4 (PerCP)

Catalog Number: MAB5090

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native ICAM1.

Clone Name: 1H4

Immunogen: Native purified ICAM1 from Raji cells and spleen cells fused with NS1 cells.

Host: Mouse

Theoretical MW (kDa): 85-110

Reactivity: Human

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody reacts with CD54 (ICAM-1), a 85-110 KDa type I transmembrane glycoprotein (receptor for rhinovirus) expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells; the expression of CD54 is upregulated by activation.

Form: Liquid

Conjugation: PerCP

Isotype: IgG2b

Recommend Usage: Flow Cytometry (10 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3383

Gene Symbol: ICAM1

Gene Alias: BB2, CD54, P3.58

Gene Summary: This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq]

References:

1. Interactions of decay-accelerating factor (DAF) with haemagglutinating human enteroviruses: utilizing variation in primate DAF to map virus binding sites. Williams DT, Chaudhry Y, Goodfellow IG, Lea S, Evans DJ. J Gen Virol. 2004 Mar;85(Pt 3):731-8.
2. Plasmodium falciparum-infected erythrocytes bind ICAM-1 at a site distinct from LFA-1, Mac-1, and human rhinovirus. Ockenhouse CF, Betageri R, Springer TA, Staunton DE. Cell. 1992 Jan 10;68(1):63-9.
3. Adhesion receptors of the immune system. Springer TA. Nature. 1990 Aug 2;346(6283):425-34.